

RACHENOKY, V.V., prof., doktor khimicheskikh nauk; ASAMAKOV, A., aspirant

Study of the dynamics of the transfer of salts in porous media. Izv. TGU no.2;186-191 '65. (NIHA 1243)

1. Kafedra prikladnoy atomnoy fiziki i radiokhimii Moskovskoy akademii sel'skokhozyaystvennykh nauk imeni Timiryazeva.

SHOSTENKO, Yu.V.; RACHINSKIY, V.V.

Nikolai Arkadievich Izmailov and Mariia Semenovna Shraiber, creators  
of thin-layer chromatography. Zhur.fiz.khim. 39 no.7:1802-1803 Jl  
165. (MIRA 18:8)

RACHINSKIY, V.V., prof., doktor khim. nauk; LENSKIY, L.A., aspirant

Studying the interaction between tritium labeled water and  
soils, Izv. TSKHA no. 12133-144 '65 (MIRA 19:1)

1. Kafedra prikladnoy atomnoy fiziki i radiokhimii Moskovskoy  
sel'skokhozyaystvennoy ordena Lenina akademii imeni Timiryazeva.

L 11100-66 EWT(m)/EWP(t)/EHT(b)  
ACC NR: AP5013759

DIAAF/101\01 SOURCE CODE: UR/0020, b7/104/0000

35

13

AUTHOR: Rachinsky, V.V.; Lenskiy, L.A.

ORG: Sel'skokhozyaystvennaya akademiya im. K.A. Timiryazeva (Agricultural Academy)

TITLE: Isotope exchange sorption of tritium<sup>1</sup> from aqueous solution under dynamic conditions<sup>19</sup>

SOURCE: AN SSSR. Doklady, v. 162, no. 2, 1965, 380-383

TOPIC TAGS: sorption tritium, tracer study, isotope, porosity, physical chemistry, soil

ABSTRACT: This study was carried out because data on the sorption dynamics of tritium in porous media is of theoretical importance for the physical chemistry of isotopes and of practical importance for radiochemistry, sorption technology, hydrogeology, and soil study with tritium as tracer. The experiments were carried out in a column with hydrogen-containing porous soils consisting of soil completely water saturated, dry soil, and soil partially water saturated and using tritium water as a tracer. The experimental results give a quite distinct picture of tritium behavior during the filtration of tritium water through the soil. The effective coefficient of tritium distribution in the soil-soil liquid system amounts in the mean to 1.20. The mean velocity of the fresh hydrogen and tritium transfer is lower than the mean

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ACC NR: AP5013759

velocity of the water flow in the soil pores by about 10% as a result of the isotope exchange sorption of the hydrogen by the soil. This agrees with the results obtained by W.J. Kaufman and G.T. Orlob (Trans. Am. Geophys. Union, 37, 3, 297, 1956) by a different method. The difference between the velocity of the tritium transfer and of the fresh nontagged hydrogen is insignificant and only amounts to 1-2%. It is possible to disregard this difference and consider that for practical purposes the tritium tracer reproduces the sorption dynamics of tagged water with sufficient accuracy. Orig. art. has: 14 formulas, 2 figures, and 1 table.

SUB CODE: 07,08 SUBM DATE: 09Mar64/ ORIG REF: 003 OTH REF: 001

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Card 2/2

SOV/137-58-10-20733

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 56 (USSR)

AUTHOR: Rachinskiy, Ya.D.

TITLE: Flowsheets and Indices Involved in Designs for the Expansion of the Severonikel' and Pechenganikel' Kombinat and the Zhdanov Establishment (Tekhnologicheskiye skhemy i pokazateli, zalozhennyye v proyektakh rasshireniya kombinatov Severonikel', Pechenganikel' i Zhdanovskogo predpriyatiya)

PERIODICAL: Materialy Soveshchaniya po vopr. intensifik. i usoversh. dobychi i tekhnol. pererabotki medno-nikelevykh i nikellevykh rud. 1956. Moscow, Profizdat, 1957, pp 49-58

ABSTRACT: The flowsheets adopted for designs of the nickel establishments of the Kola Peninsula are set forth in general form. Coordination of two Kombinats, Pechenganikel' and Severonikel', is envisaged. A new establishment, designed to mine and concentrate the ore (O), is going into operation. The concentrates are to be smelted in part at a plant in Pechenga but for the most part at the Severonikel' Kombinat. The Kombinat mines and dresses the O and also smelts rich O and concentrates, converts matte and produces intermediate nis matte.

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Flowsheets and Indices Involved in Designs (cont.)

This is then processed at the Severonikel' Kombinat, which is gradually converting to the smelting of shipped-in raw material. A pronounced increase in open-cut O mining with the very latest, high-power equipment is provided. The Ni contents of the O will drop by half within the next few years. In the light of the output rise provided for, the quantity of O requiring concentration will rise considerably. A description of the O-dressing flowsheets is provided. The primary operations in the flowsheets of these metallurgical plants are; 1) electrical melting of the O and concentrates, 2) electric melting of the liquid converter slags with conversion of all Co to nis matte, 3) flotation separation of the converter matte, and 4) production of pure N by the carbonyl process at high pressure.

1. Nickel industry--USSR    2. Nickel ores--Processing    3. Industrial plants  
---Organization

V.L.

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SOV/19-58-4-303/523

AUTHORS: Brovkin, V.G., Zakharov, M.I., Igolkin, M.P., Leshke, G.P.,  
Poznyakov, V.Ya., Rachinskiy, Ya.D., and Tarasov, V.S.

TITLE: A Method for Extracting Cobalt, Nickel and Copper From Converter Slag (Sposob izvlecheniya iz konvertornykh shlakov kobal'ta, nikola i medi)

PERIODICAL: Byulleten' izobreteniy, 1958, Nr 4, p 77 (USSR)

ABSTRACT: Cl.: 40d, 1603. Nr 112307 (556514, 13 August 1956). Submitted to the Committee for Inventions and Discoveries at the USSR Council of Ministers. For extracting cobalt, nickel and copper from converter slag, the latter is processed above a liquid matte layer in electric arc furnaces with the addition of reducing agents.

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RACHINSKIY, Yuriy Mikhaylovich; MOTYLEV, A.S., red.; CHIKNAVEROVA, A.A.,  
red.izd-va; VORONINA, R.K., tekhn.red.

[Economic law of the planned (proportional) development of the  
national economy; materials on a lecture course in political  
economy] *Ekonomicheskii zakon planovernogo (proportsional'nogo)*  
*razvitiia narodnogo khoziaistva; materialy k lektsii po kursu*  
*politicheskoi ekonomii. Moskva, Gos.izd-vo "Sovetskaiia nauka,"*  
1959. 53 p. (MIRA 13:3)

(Economics)

RACHITAN, Constantin

Complete use of petroleum is the constant target of Romanian  
refinery workers. Ropa a uhlie 5 no.12:369 D '62.

1. Zastupca veduceho hospodarskej komisie krajskeho vyboru  
Rumunskej robotnickej strany, Ploesti.

KAGANER, M. G.; SEMENOVA, R. S.; RACHITSKAYA, M.

"The increase in the efficiency of vacuum-powder thermal insulation by means of thermal radiation shielding."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12 May 1964.

All-Union Sci Res Inst of Oxygen Ind.

ZURKOV, P.E., prof., doktor tekhn. nauk, zasluzhennyy deyatel' nauki i tekhniki RSFSR; TOGUNOV, Yu.V., dotsent, kand. tekhn. nauk; YELENSKIY, S.I., kand. tekhn. nauk; KONDRATENKO, V.P.; TIKHOVIDOV, A.F., dotsent; RUDNIK, M.I., gornyy inzh.; KORKUNOV, G.S., gornyy inzh.; RACHITSKIKH, L.G., gornyy inzh.; ZAGURAYEV, V.G., gornyy tekhnik

Concerning the book by N.V. Mel'nikov and L.N. Marchenko "Energy of the blast and construction of the charge". Ugol' 39 no.10:62-63 O '64. (MIRA 17:12)

1. Nachal'nik kombinata Chelyabinskugol' (for Kondratenko).
2. Glavnnyy inzh. Magnitogorskogo rudnika (for Tikhovodov).
3. Permskiy politekhnicheskiy institut (for Rudnik, Korkunov).
4. Bereznikovskiy sodovyy zavod (for Rachitskikh, Zagurayev).

Russia, Leningrad

STEKOL'SHCHIKOV, P.I., inzhener; RACHITSKIY, D.I., inzhener.

New type sliver forming mechanism of VGCh-4 combing machines.  
Tekst.prom. 15 no.2:18-19 F '55. (MLRA 8:3)  
(Combing machines)

RACHITSKIY, V.I.

Extent and subdivision of the Tatarian stage in the Kuybyshev-Chkalov region of the trans-Volga. Vest.Len.un 11 no.18:40-56 '56.  
(MLRA 9:12)

(Volga Valley--Geology, Stratigraphic)

15-1957-10-13556

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10,  
p 15 (USSR)

AUTHOR: Rachitskiy, V. I.

TITLE: The Stratigraphic Position of the Malokinel'skiy and  
Malouranskiy Localities of Fossil Land-Vertebrates (O-  
stratigraficheskoye polozeniye malokinel'skogo i malou-  
ranskogo mestonakhozheniy iskopayemoy fauny nazemnykh  
pozvonochnykh) //

PERIODICAL: Vestn. Leningr. un-ta, 1956, Nr 24, pp 43-47

ABSTRACT: Data from drilling have led to the conclusion that the  
rocks of both localities are confined to the upper Ann-  
nakaya series (upper part of the lower Tatar stage sub-  
state) and are situated approximately 270 to 280 m above  
the top of the transitional series of the Kazanskiy  
stage. The author proposes a re-examination of the cor-  
relation scheme of the Upper Permian to determine the  
true stratigraphic position of the Deinocephalian groups.  
B. P. V'yushkov

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RACHITSKIY, V.I.

Correlation of Tatar sediments in the Russian Platform with  
corresponding sediments in other territories of the U.S.S.R. and  
foreign countries. Izv. vys. ucheb. zav.; geol. i razv. no.3:46-56  
Mr '58. (MIRA 11:10)

1. Kuybyshevskiy inzhenerno-streitel'nyy institut.  
(Geology, Stratigraphic)

RACHITSKIY, V.I.

Correlation of Tatar deposits in the Russian Platform, Vest. IZU  
12 no.18:61-67 '58. (MIRA 11:3)  
(Russian Platform--Geology, Stratigraphic)

RACHITSKIY, V. I. Doc Geol-Min Sci -- (diss) "The Tartar layer and the  
Tartar century of the Kuybyshev-Orenburg petroleum and gas-bearing region."  
Len, 1958. 33 pp (Len Order of Lenin State Univ im A. A. Zhdanov. Geol  
Faculty. Chair of Historical Geology), 150 copies (KL, 13-58, 93)

RACHITSKIY, V.I.

Errors in the correlation of Tatar sediments in the Russian Platform.  
Vest. LGU 15 no.24:143-145 '60. (MIRA 13:12)  
(Russian Platform—Geology, Stratigraphic)

RACHITSKIY, V.I.

Lower Triassic of the trans-Volga portions of Kuybushev and Orenburg Provinces and its interrelation with the Tatar stage.  
Izv. vys. ucheb. zav.; geol. i razv. 3 no.6:23-27 Je '61.  
(MIRA 14:7)

1. Kuybyshevskiy inzhenerno-stroitel'nyy institut.  
(Volga Valley—Geology, Stratigraphic)

RACHITSKIY, V.I.

History of the stratigraphic subdivision of the Tatarian stage  
in the trans-Volga portion of Kuybyshev and Orenburg Provinces.  
Izv.vys.ucheb.zav.; geol. i razv. 5 no.5:142-145 My '62.  
(MIRA 15:6)

1. Kuybyshevskiy inzhenerno-stroitel'nyy institut.  
(Kuybyshev Province--Geology, Stratigraphic)  
(Orenburg Province--Geology, Stratigraphic)

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Rachitskiy, VI

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